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ATTENTION

Do not rip the device. Do not touch the device if the device block is broken or its connecting wires are without isolation.

All wireless devices for data transferring may be susceptible to interference, which could affect performance.

Only qualified personnel may install or repair this product.

The device is not water-resistant. Keep it dry.

The device must be steadily fastened on the mounting place.

The device requires high ~230V voltage.

IMPORTANT NOTES MUST BE READ BEFORE STARTING THE WORK WITH THE DEVICE!

GENERAL SAFETY REQUIREMENTS

You will avoid dangerous situations and harming of yourself if you will follow to these recommendations. You have to be familiar with the safety requirements before starting using the device!

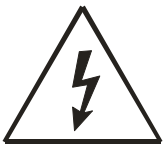
To avoid burning and voltage caused traumas, of the personnel working with device, please follow these safety requirements.

Installation and technical support of the *Voice Fax* device can be performed only by a qualified personnel or a person who has enough knowledge about this device and safety requirements.

Voice Fax device requires 9V ⎓ 1.12 A constant power supply source that satisfies all safety requirements listed in LST EN 60950-1 standard.

The PC and power supply source, to which the device *Voice Fax* is connected, should satisfy LST EN 60950 - 1 standard. The device *Voice Fax* can be used on first (Personal Computer) or second (Notebook) computer safety class.

The phone or fax connected to the device must satisfy all safety requirements listed in LST EN 60950-1 standad.



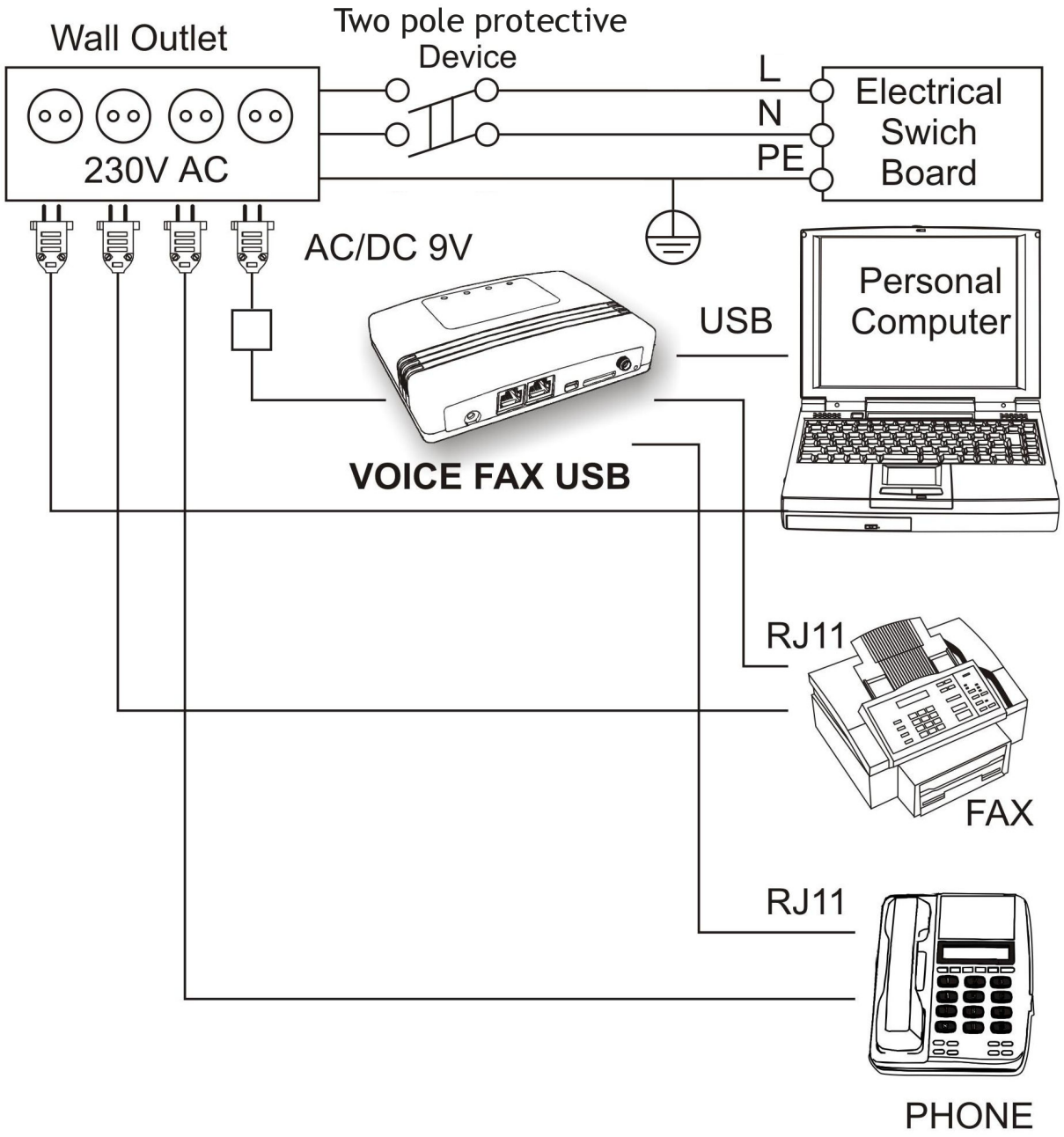
Do not mount or serve device during the thunderbolt.

To avoid mechanical damages of the device it is recommended to transport the *Voice Fax* device packed in damage-proof pack. While using the device, it should be placed so, that its indication LED and LCD would be visible as they inform in which working mode the device is and if it has any working problems.

For *Voice Fax* device‘s network capacity working environment has big influence. If the device starts working insufficiently only qualified personnel may repair this product. We recommend to forward it to repair centre or to manufacturers. No exchangeable parts inside of the device.

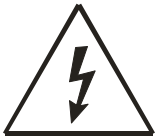
In the installation place and supply circuits protective devices (bipolar release device) should be tooled up which will protect from short-circuit and earth false. The power of connected device should satisfy power of release device. The interstice between contacts should be no less than 3mm. Power supply network should be installed near device on easy accessible place.

Protection against overcurrents, short circuits and earth faults shall be provided as a part of the building installation. Two pole device which disconnects related devices simultaneously must be installed in the building to avoid grounding faults. To disconnect the device plug off AC/DC power adapter from the wall outlet or power strip. The interstice between contacts should be no less than 3mm.



Picture 1.Connection scheme of *Voice Fax* device

Mounting of the device



Disconnect device from power supply before mounting to avoid voltage effect!

Device service

If the device starts working insufficiently only qualified personnel may repair this product. We recommend to forward it to repair centre or to manufacturers. No exchangeable parts inside of the device.

1 ABOUT THE DOCUMENT

In this document *Voice Fax* device technical characteristics are presented, also it is described how to connect *Voice Fax* device to other devices and how to configure it..

Voice Fax device is being continuously improved: working quality, adding specific requirements from the clients. Therefore, a Firmware update procedure is created.

2 INTRODUCTION

Voice Fax device is created correspondingly to up-to-date telecommunications and electronic technologies.

Voice Fax emulates the line. Phone calls or facsimile messages in GSM network can be received with the connected to the device analogue phone or fax device.

Voice Fax device can work as a GSM modem that can create pathway to Internet, exchange data using GPRS data bearer.

It also gives a user exclusive possibility to change parameters using keybord of localy connected device by entering *Voice Fax Service menu* or with a connected PC with special *Voice Fax Configuration Tool* software.

3 PACKAGE CONTENTS

Voice Fax device is delivered to the client in cardboard box with all required supplements necessary for work. Package consists of:

- Cardboard box.
- *Voice Fax* device.
- USB A ⇔ USB mini B connection cable.
- AC/DC power supply adapter.
- CD with User Manual and drivers.
- External GSM antenna.
- Components of mounting.

> ***Note:*** *the manufacturer does not provide SIM card, which is necessary for connecting to the GSM network! SIM card can be obtained from your GSM operator!*

If any of the components is missing from your package, please contact manufacturer's representative or salesperson.

4 TECHNICAL CHARACTERISTCS

4.1Data Transfer

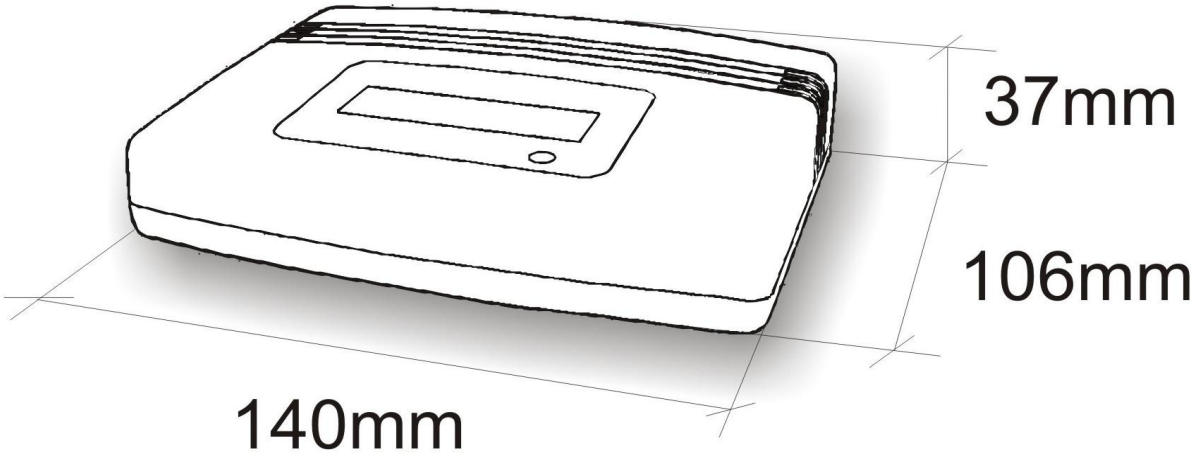
Voice Fax device supports the following data bearers used in GSM network. Which data channel is used depends on your GSM operator and data transfer capacity in chosen GSM network:

- GPRS class 10:
  - Full PBCH support.
  - MS class B.
  - Coding scheme 1-4.

Voice Fax device also has an incoming number detection function. A ES300778-1/2 standard and MDMF format is used for it.

4.2Mechanical characteristics

Voice Fax device case is made of plastic. External view and measurements of the device are shown in picture 4.2.1.



Picture 4.2.1. External view and measurements of the device

4.3Operating characteristics

The device is powered from a 9 V (DC) power supply. The PC to which the *Voice Fax* device is connected must have a USB interface corresponding to USB 1.1 or USB 2.0 standards. Electrical parameters of the device are shown in Table 4.3.1.

Table 4.3.1. Electrical characteristics of *Voice Fax*

Parameter	Value	Units
Power Supply Voltage	+9 - +13	V
Average Power consumption	1.2 - 7.2	W
Current Consumption when idle	⎓120 - 180	mA
Current Consumption in voice/fax mode	⎓300 - 800	mA
Current Consumption in GPRS	⎓400 - 800	mA

Operating conditions and weight of the device are shown in Table 4.3.2 .

Table 4.3.2. Operating conditions and weight

Parameter	Value	Units
Weight	200 ± 10	g
Operating Temperature	0 - +55	ºC
Storage Temperature	-20 - +70	ºC

Note: *If the settings outreach the characteristics given above, the device can be damaged!*

4.4 LED Indication

Voice Fax has one LED for device status indication. It is located at the top part of the device. The indication statuses of the device are described in Table 4.4.1.Table 4.4.1. Device status description

Table 4.4.1. Device status description

Status	Description
Power LED is on	Power supply on
Error LED blinking	Device is awaiting for PIN code
Error LED blinking with pauses	The number of blinks shows the number of unsent/unprinted pages
Error LED on	No SIM card, wrong PIN code or handset off hook during startup.

4.5 LCD messages

Voice Fax has LCD indicator which displays device status messages. The status messages of the device are described below .

4.5.1 Startup messages

Table 4.5.1.1. Startup messages

No.	LCD MESSAGE	DESCRIPTION
1	STARTING PLEASE WAIT	Device is starting. Startup lasts 15-20 seconds.
2	INSERT SIM CARD AND RESTART DEVICE	The SIM card is not inserted. Insert SIM card and restart device.
3	ENTER PIN	PIN code required. After pin code is entered, confirmation message will appear.
4	INCORRECT PIN ENTER CORRECT PIN	Wrong pin code entered or automatic PIN code entering function is enabled and incorrect PIN code saved in memory.
5	PIN ACCEPTED	This message appear if correct PIN code is entered.
7	REPLACE THE HANDSET	The handset is picked up during device startup. Replace the handset.
8	EMERGENCY CALL *number*	If emergency number 112 or 911 is dialed during ENTER PIN or INCORREC PIN, ENTER CORRECT PIN message.
9	ERROR *###*	Restart device if ERROR message was displayed. If the same ERROR message number occurs constantly contact support.

4.5.2 Idle messages

Table 4.5.2.1. Idle messages

No.	LCD MESSAGE	DESCRIPTION
1	*operator*	Usual idle LCD screen where “operator” is home network operator name
2		Bar indicates signal strength.
3	# OF # PAGES UNSENT	Shows unsent number of pages if option “delete after tries” is disabled. To resend press ###.
4	# OF # PAGES UNPRINTED	Shows unprinted number of pages if option “delete after tries” is disabled. To print press ###.
5	NO NETWORK EMERGENCY CALLS ONLY	If signal strength is too low or antenna is disconnected.
6	RESENDING STORED FAX	If ### pressed after the message telling that there was unsent pages in memory.
7	PRINTING FAX	If ### pressed after the message telling that there was unprinted pages in memory.
8	NO SAVED DATA IN MEMORY	If there is no saved data in memory and ### is pressed.
9	DELETING STORED FAX	If there is saved data in memory and *** is pressed.

4.5.3 Fax transmission messages

Table 4.5.3.1. Fax transmission messages

No.	LCD MESSAGE	DESCRIPTION
1	CALLING *number*	Message shows that call in progress to the destination “number”.
2	CALLING TO LOCAL FAX	Call in progress to locally connected fax device.
3	CONNECTING	Local or remote fax device answered and connection in progress.
4	SENDING # OF #	Shows outgoing page number of total number of pages. Bar shows percentage of set page.
5	NO ANSWER	If destination fax device is not answering.
6	# OF # PAGES SENT	Shows number of sent pages of total amount.

7	NEXT RETRY IN ## SECONDS	Informs about delay length after unsuccessful try before next retry.
8	MAX NUMBER OF RETRIES REACHED	When maximum number of retries is reached.
9	TRANSMISSION OK	Message appears after successful transmission.
10	CANCELING FAX TRANSMISSION	If *** is pressed fax transmission will be canceled.
11	NUMBER OR PREFIX BLOCKED	If prefix or number blocking option is enabled and entered prefix or number corresponds to dialed number or prefix.
12	COMMUNICATION ERROR ###	Restart device if ERROR message was displayed. If the same ERROR message number occurs constantly contact support.
13	ERROR ###	Restart device if ERROR message was displayed. If the same ERROR message number occurs constantly contact support.

4.5.4 Fax reception messages

Table 4.5.4.1. Fax reception messages

No.	LCD MESSAGE	DESCRIPTION
1	INCOMMING FAX CALL	Displays that incoming call is a fax call.
2	INCOMMING LOCAL FAX CALL	Displays that incoming fax call is from locally connected fax device.
3	CONNECTING	Device has answered and connection in progress.
4	RECEIVING PAGE #	Shows number of pages is being received.
5	NOT ENOUGHT ROOM FOR PAGE #	Reports that there is no room in device memory for current page.
6	RECEPTION OK	Message appears after successful reception.
7	COMMUNICATION ERROR ###	Restart device if ERROR message was displayed. If the same ERROR message number occurs constantly contact support.
8	ERROR ###	Restart device if ERROR message was displayed. If the same ERROR message number occurs constantly contact support.

4.5.5 General, voice call transmission and reception messages

Table 4.5.5.1. General, voice call transmission and reception messages

No.	LCD MESSAGE	DESCRIPTION
1	CALLING number	Displays that outgoing voice call and shows dialed number.
2	INCOMMING VOICE CALL	Displays that incoming call is a voice call.
3	INCOMMING DATA CALL	Incoming call is a data call. Device cannot answer to this type of call when not in USB mode. Device will hang up.
3	UNDETECTED CALL TYPE	Displays that incoming call is undetected. Device will hang up.
5	UNKNOWN CALL TYPE	Displays that incoming call is unknown. Device will hang up.
	NUMBER OR PREFIX BLOCKED	If prefix or number blocking option is enabled and entered prefix or number corresponds to dialed number or prefix.
6	COMMUNICATION ERROR ###	Restart device if ERROR message was displayed. If the same ERROR message number occurs constantly contact support.
7	ERROR ###	Restart device if ERROR message was displayed. If the same ERROR message number occurs constantly contact support.
8	USB MODE	If USB cable connected to the device and PC.
9	CONFIGURATION MODE	Displays that configuration tool is connected to the device.
10	GPRS MODE	Message appear after GPRS connection is established successfully.
11	MAIN MENU	Message shows current menu item after service menu password is entered.
12	INCORRECT MENU ITEM	Displays that incorrect menu item was chosen.

4.5.6 Error messages

Error and communication error message numbers indicates device stage in which error have occurred. Communication error messages indicates that error occurred during fax data transmission or reception. Error messages indicates that error occurred during startup, before or after fax data transmission or reception. Error and communication messages are described in the tables 4.5.6.1. and 4.5.6.2.

Table 4.5.6.1. Communication error messages

No.	COMM. ERROR	DESCRIPTION
1	101 to 140	During connection and fax data transmission over GSM network.
2	141 to 200	During connection and fax data data reception over GSM network.
3	201 to 240	During connection and fax data transmission to locally connected fax device.
4	241 to 280	During connection and fax data reception from locally connected fax device.

Table 4.5.6.2. Error messages

No.	ERROR	DESCRIPTION
1	301 to 305	Device startup.
2	306 to 320 400 to 420	General.
3	321 to 340	Before or after fax data transmission to locally connected fax device.
4	341 to 360	Before or after fax data reception from locally connected fax device.
5	361 to 380	Before or after fax data transmission over GSM network.
6	381 to 400	Before or after fax data reception over GSM network.

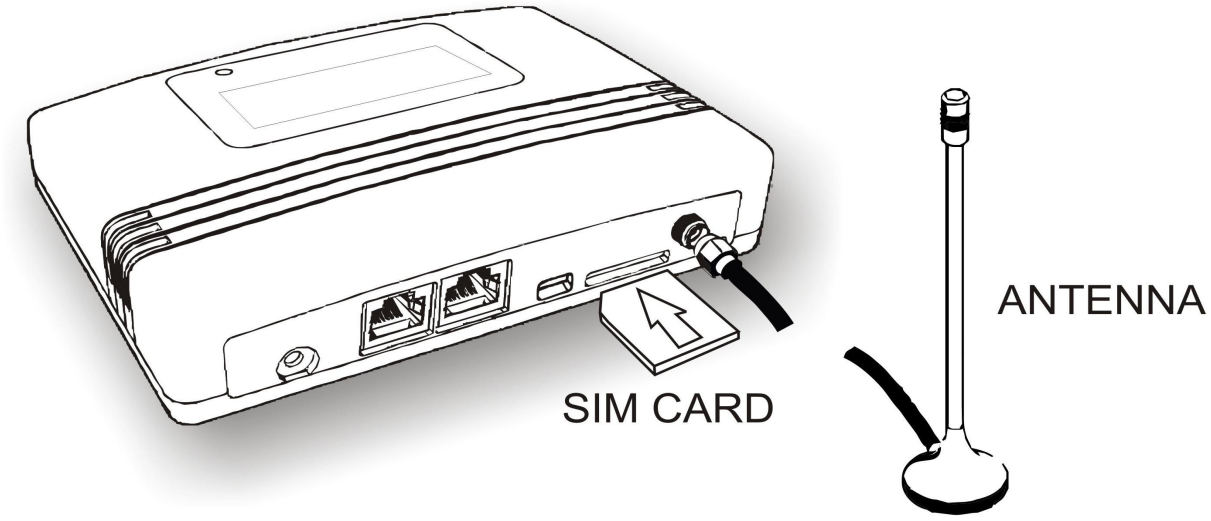
Note: *Communication errors from 101 to 280 may occur due to GSM operator communication problems or too low signal level.*

5 *VOICE FAX* PREPARATION TO WORK

Before starting working with *Voice Fax* device, antenna must be connected. Then, insert SIM card and make sure that it is inserted properly.

5.1Connecting antenna and inserting SIM card

Antenna mounting place is chosen according to mounting place features. It is recommended to mount the antenna inside the building. If because of network conditions antenna is to be mounted outside, it is necessary to set antenna ground and quick-acting security implement against lightning. Antenna is mounted using the standard SMA connector. SIM card must be inserted as is shown in picture 5.1.1 and make sure that it is inserted properly.

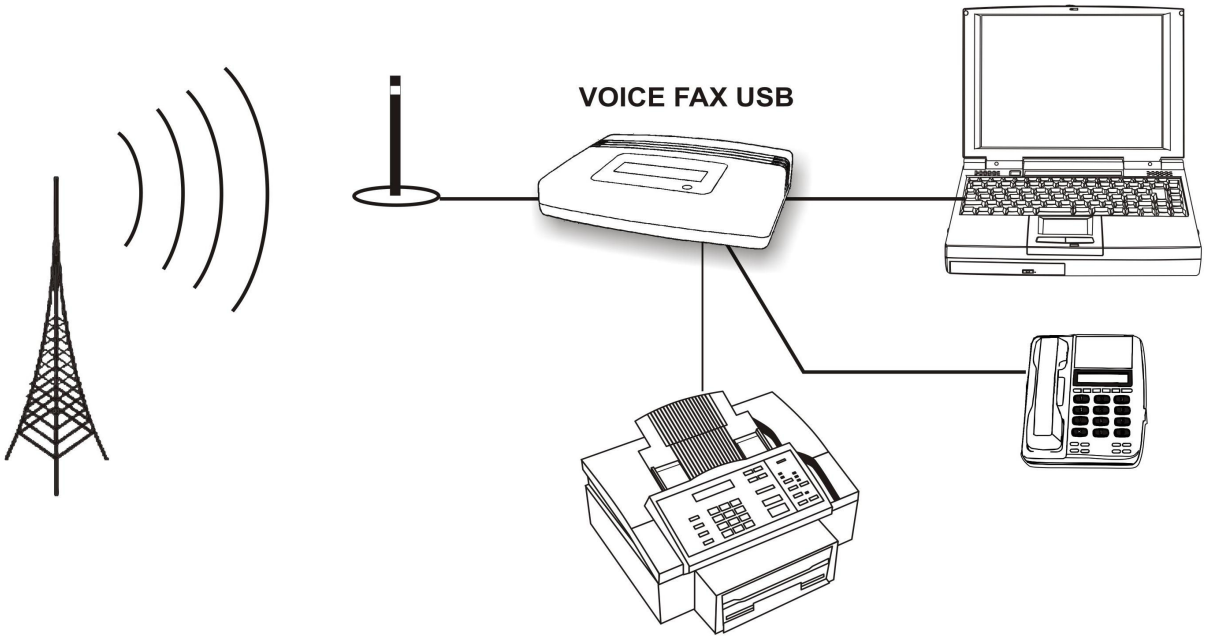


Picture 5.1.1. Connection of antenna

5.2Devices connection to *Voice Fax*

Depending on what action the *Voice Fax* device must perform, the following connections are to be made:

- Phone
- Fax
- Computer.



Picture 5.3.1 Devices connection to *Voice Fax*

Voice Fax operates in *Trunk* mode.

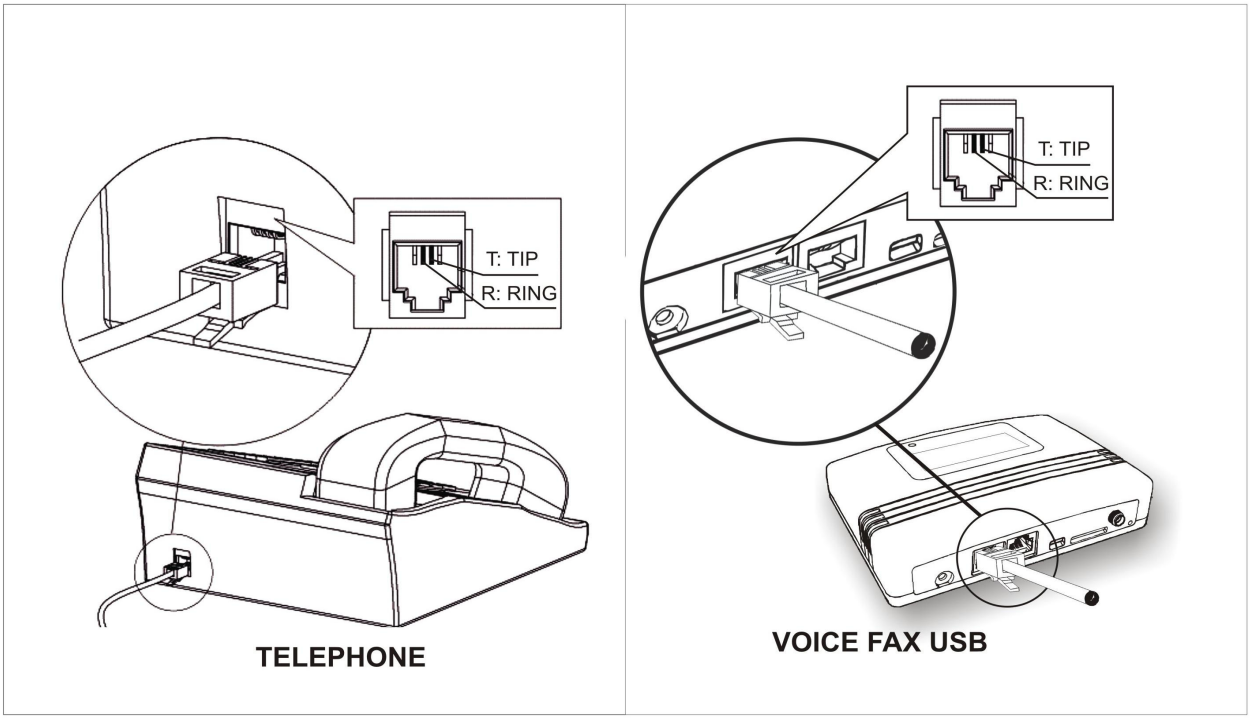
In *Trunk* mode *Voice Fax* emulates the line. With connected analogue phone, voice phone calls can be made and received through the GSM network. With connected fax device fax calls can be made and received.

5.2.1 *Trunk* mode

In this mode *Voice Fax* device emulates the analogue line. Depending upon needs, phone can be connected to it through a standard RJ11 connector marked as *PHONE*.

5.2.1.1 Connecting phone or fax to *Voice Fax*

Module generates the voltages necessary for the call. The phone or fax connected to the *Voice Fax* device can make and receive incoming calls from the GSM network. The connection to the device is shown in picture 5.3.2.



Picture 5.3.2. Phone or Fax connection to the *Voice Fax*

5.2.1.1.1 Call examples

To make a voice or fax call, connect the phone to the *Voice Fax*, insert the SIM card and plug the power supply.

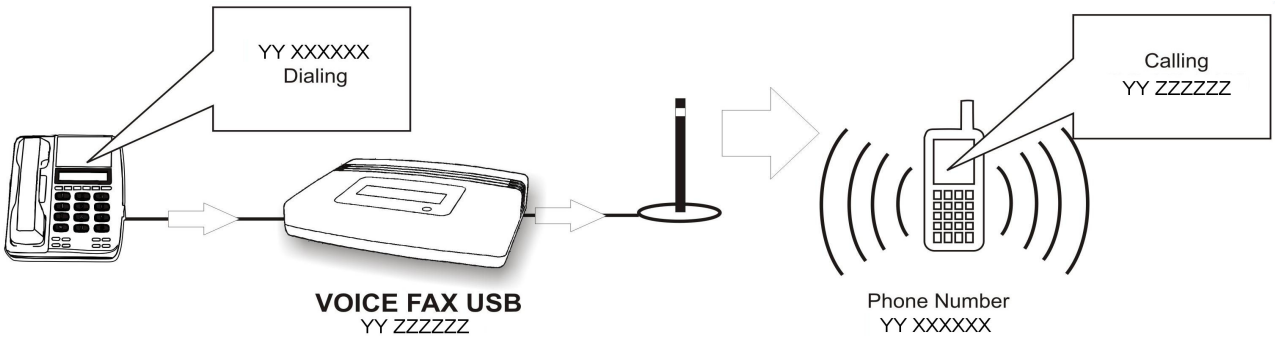
> ***Note:*** *Calling mode may not work in the following situations: a) when USB cable is inserted into davice; b) when fax transmition in progress; c) when working in Service menu; d) when working with Voice Fax Configuration Tool*

Wait until the device gets ready for work. Enter PIN code of the SIM card if required.

5.2.1.1.1.1 Phone call from phone to a mobile phone using mode

- Pick up the phone, connected to the *Voice Fax*, handset. Dialing tone should be heard.
- Dial the number and wait for the connection. Time period between two different digits can be no longer than 3 seconds.
- To terminate the call, hang up the phone.

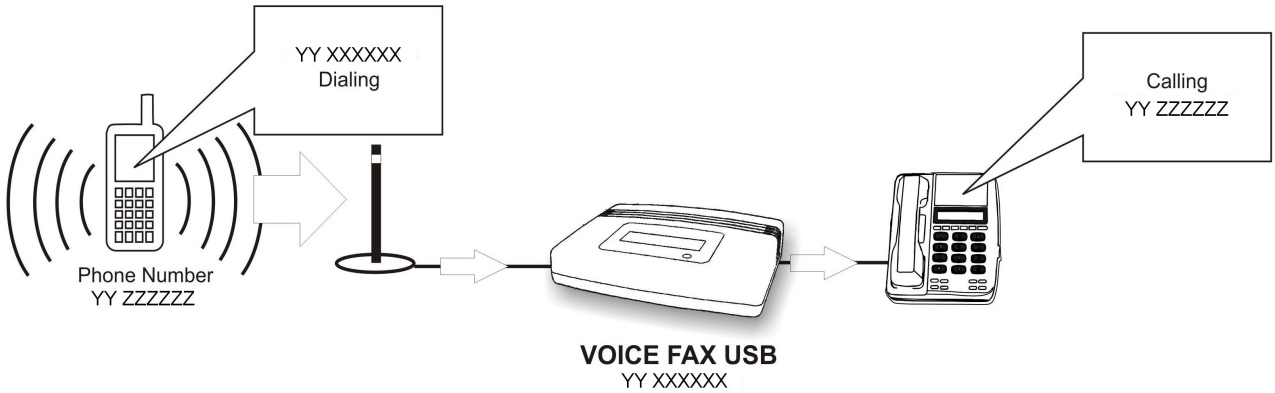
> ***Note:*** *Making international phone call dial 00, instead of +*



Picture 5.3.3. Phone call from phone to mobile phone

5.2.1.1.1.2 Phone call from mobile phone to phone

Dial the number of the SIM card inserted in the *Voice Fax* and wait for the signal.

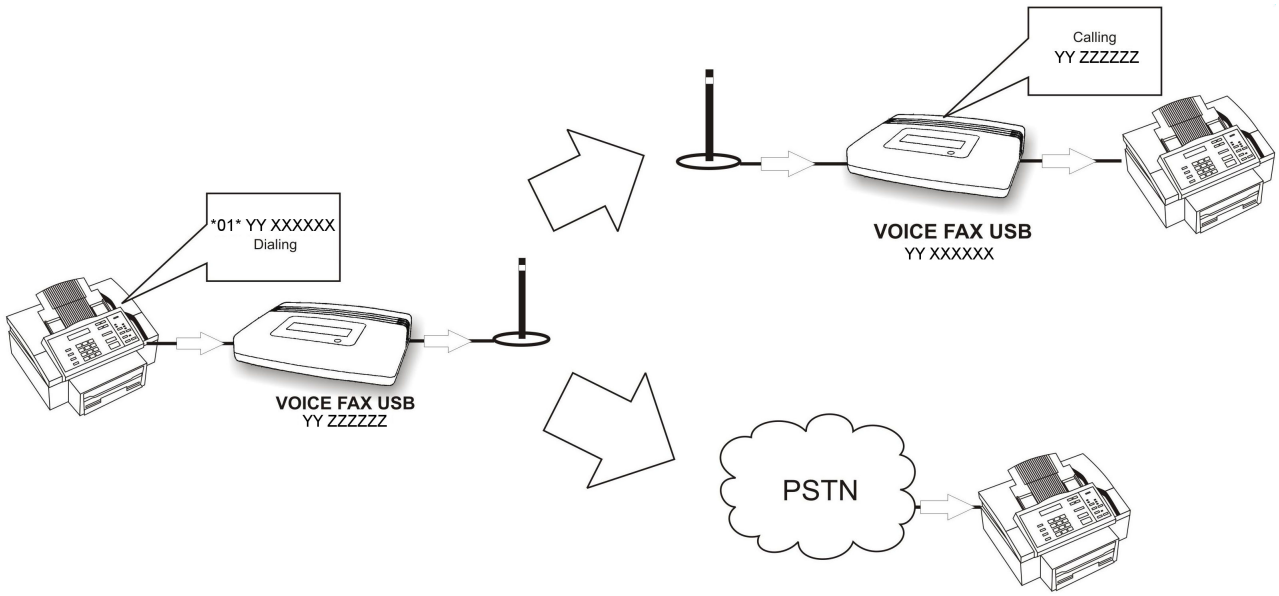


Picture 5.3.4. Phone call from mobile phone to phone using the *Trunk* mode

5.2.1.1.1.3 Making Fax call from *Voice Fax* to a *Voice Fax* or PSTN Fax.

- Insert sheets you want to send into fax device connected to the *Voice Fax*.
- Before phone number dial *01* and wait for the connection. Time period between two different digits can be no longer than 3 seconds. If You enter phone number without *01* in the begining, voice call will be made.
- To terminate the call, hang up the phone.

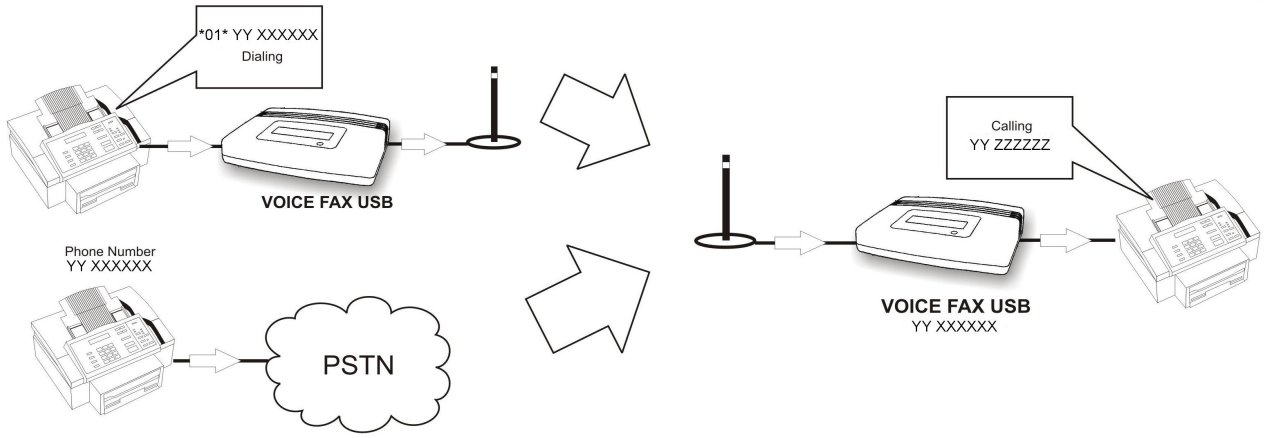
Note: *Making international phone call dial 00, instead of +*



Picture 5.3.3. Sending Fax call from *Voice Fax* to a *Voice Fax* or PSTN Fax.

5.2.1.1.1.4 Receiving Fax call from PSTN or *Voice Fax* to *Voice Fax*

If incomming call is fax call the *Voice Fax* will answer automaticly as fax device after defined number of rings, default is 2. *Voice Fax* LCD display will indicate that incoming call is a fax call.



Picture 5.3.4. Receiving Fax call from PSTN or *Voice Fax* to *Voice Fax*

***Note:** SIM card should have separate subscriber numbers for voice and fax and may not work with sigle number.*

- *Note: The fax data transmition is divided into two stages. Voice Fax receives fax data into internal memory and after reception is succsessfull it transmits data to localy connected or remote fax device.*

- *If device fails to transmit data it automaticly makes up to (default) three redials with (default) 30 second delays and if it fails, by default Voice Fax deletes fax data from internal FLASH memory.*

- *This function can be switched off so after unsuccessful number of tries fax data will stay in nmemory and will be possible to retry fax transmition by picking up handset and pressing # # # later or even after Voice Fax restart.*

- *It is possible that after succsessfull tranmition fax will print 3 same pages. This means that after fax page there was no confirmation and device automaticaly retried current page.*

- *If option „Delete after tries“ is switched off, unsuccessfull tranmition is displayed over LCD by showing number of unsent or unprinted pages. To delete fax data from FLASH memory pick up the handset and press * * * alternatively every next fax session will overwrite previous fax data in the FLASH.*

- *If it is not possible to send or receive fax few times in a row it might be because of GSM network problems, please wait few minutes and try again.*

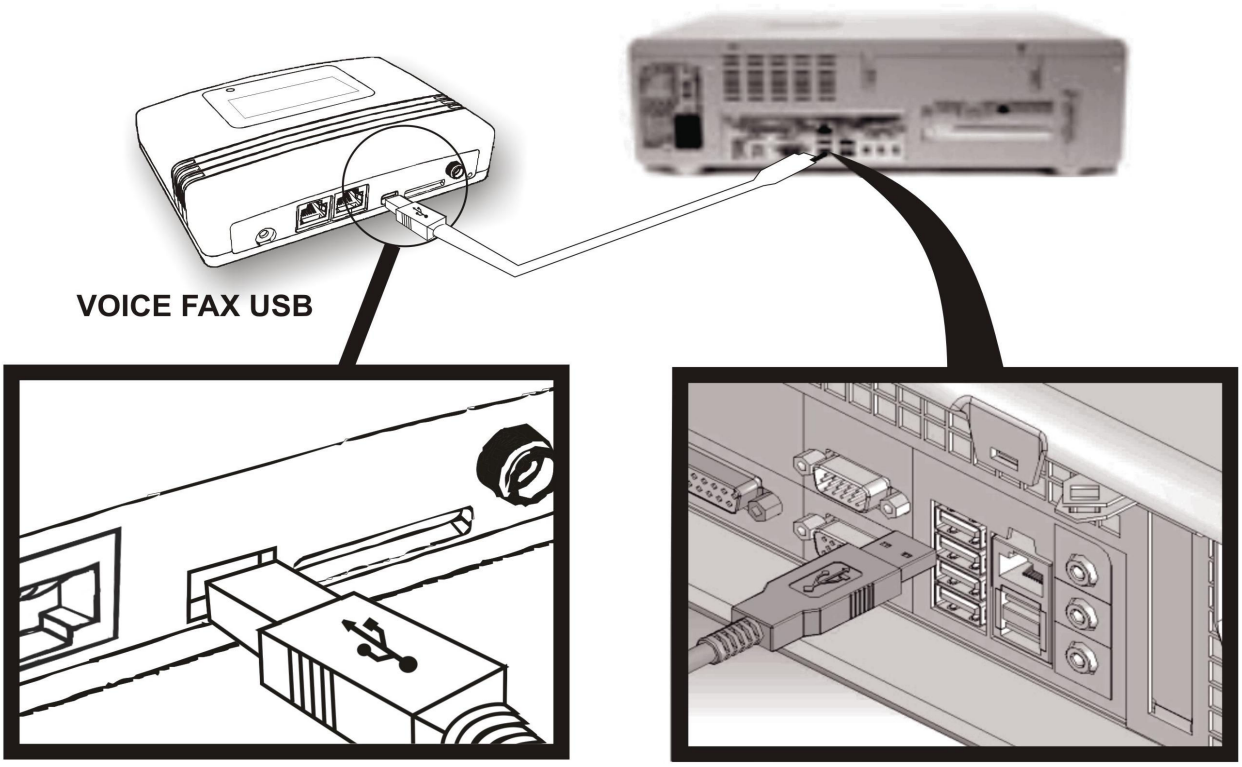
- *If device not responding please restart device by pressing reset buton on the back side of the enclosure.*

- *If by mistake wrong destination fax number is entered and Voice Fax have started dialing press *** to stop transmition. If *** will be pressed at the moment of dialing or at the pause between tries, calling will be terminated and data deleted from flash immediately. If *** will be pressed at the moment when device is connecting, sending, calling will be terminated and data deleted from flash after unsuccessful attemp will be finished.*

5.3Connecting *Voice Fax* to the PC

The connection of *Voice Fax* device is performed in the following order:

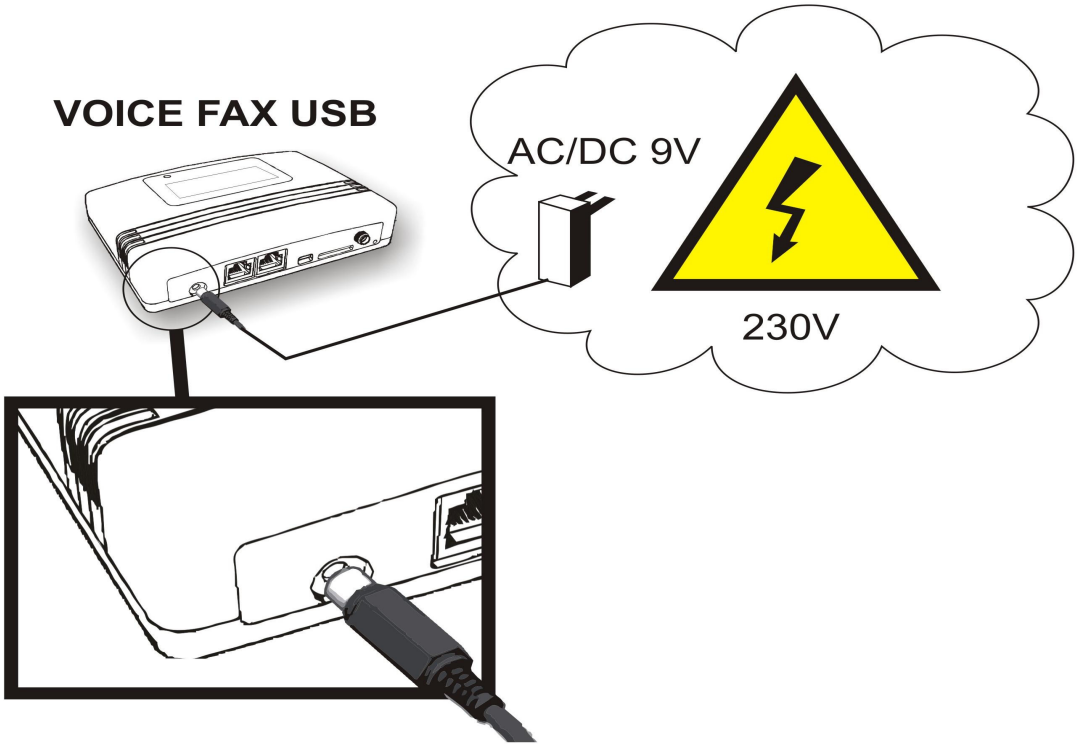
- Insert SIM card to *Voice Fax*. Make sure it is inserted properly.
- Connect one mini USB cable end to the device and the other to the USB port in the PC (picture 5.4.1). If the device is being connected for the first time, mini USB cable must be connected during the drivers installation.
- Connect AC/DC power supply source to the supply socket of the device (picture 5.5.1).



Picture 5.4.1. Connection to the PC

5.4Connection of the power supply

Voice Fax module uses 9V ⎓ 1.12 A direct current power supply source which goes with the package. The connection of the power supply is shown in picture 5.5.1 .



Picture 5.5.1. Connection of the power supply

5.5 THE START

When the *Voice Fax* device is set to work, that is, SIM card inserted, antenna, phone, analog phone line or PC (depending on needs) and power supply are connected, the Power LED is on and LCD displays message „STARTING PLEASE WAIT“, that the module is preparing for work. The initialization can take up to 20 seconds (it is recommended to wait). During that time, the module checks the SIM card, detects the appropriate GSM network and checks the operating parameters. When initialization is done, LCD display shows signal strength bar and operator name.

After power on, when USB cable is pluged in, only when LCD display message „USB MODE“, *Voice Fax* will enter USB mode. In USB mode it is not possible to make voice or fax calls.

5.6 Entering the PIN code

There are two possible PIN code entering ways in *Voice Fax*: manual and automatic.

5.6.1 Manual PIN code entering

If SIM card PIN code request is activated, LCD will show meesage „ENTER PIN“. PIN must be entered with the help of the phone buttons. If the PIN code entered correctly, a long phone signal is on the line indicating, that the *Voice Fax* is ready for work. If the PIN code is entered incorrectly, LCD message „INCORRECT PIN, ENTER CORRECT PIN“ appear and the phone line become busy. PIN code can be entered through the *Service menu* or with *Voice Fax Configuration Tool*s.

5.6.2 Automatic PIN code entering

If SIM card PIN code request is activated, the *Voice Fax* device takes the PIN code from its memory. The PIN code can be entered into *Voice Fax* memory using *Service menu* (##1111#8#3#<PIN code>#) or *Voice Fax Configuration Tool*.

6 Voice Fax Service menu

Voice Fax device parameters can be changed using ordinary telephone connected to *Voice Fax* device through a standard RJ11 connector named *PHONE*. When the device is turned on, wait until it sets for work. If required enter PIN code of the SIM card. After a long beep, enter *Service menu* password. Standard password is ##1111#. When password is entered *Voice Fax* controlling through the phone is activated and user directly accesses *Voice Fax* main *Service menu*. Exit from any part of the *Service menu* by hanging up the phone or dialing **. While navigating in *Service menu*, long beeps are heard on the line. When any function is being activated, short beeps are heard on the line.

Service menu command list of the device is shown in the table.

	Command	Description
General parameters	1#	Set time interval between dialing and connecting
	2#	Prefix
	3#	Set GPRS inactivity timeout
	4#	Caller ID display control
	5#	Calling line identification restriction
	6#	Turning on/off the call duration signal
Security parameters	7#	Changing *Service menu* password
	8#	PIN code entering control
Nubers and prefixes blocking	9#	Prefix blocking
	10#	Number blocking
Fax parameters	11#	Set number of rings
	12#	Set number of tries
	13#	Set delay between retries
	14#	Turning on/off allways answer as fax
	15#	Turning on/off delete facsimile from memory after retries
	16#	Show incomming number of pages
	17#	Baby Call Function
	99#	Restoring default settings

Service menu parameters are divided into:

- General parameters
- Security parameters
- Nubers and prefixes blocking
- Fax parameters

6.1 Interval Between Dial And Connection

It is possible to change time interval between dialing and connecting with the help of the phone. Time is set in seconds. Dial 7# in order to change the time interval.

##1111# **1#** ... 0#

Now enter numbers from 1to 5 and press #.

##1111# 1# **(1...5) #** 0#

6.2 Prefix

It is possible in *Voice Fax* device to activate the function that would automatically add prefix to dialed number. To do so, dial 2# in main *Service menu*.

##1111# **2#** ... 0#

Now dial 1# to activate prefix adding.

##1111# 2# **1#** 0#

Dial 2# in *Prefix* menu to disable the function.

##1111# 2# **2#** 0#

To add a prefix dial 3# Prefix and #.

##1111# 2# **3# <Prefix>#** 0#

E.g. In order to add “370” prefix, you have to dial: ##1111#2#3#370#; and for activation: 1#.
When dialing 123456 on the phone connected to the *Voice Fax* device, the device will dial 370123456.

6.3 GPRS Inactivity Timeout

It is possible to set GPRS inactivity timeout after which device will terminate GPRS session. Time is set in minutes. Dial 3# in main *Service menu*.

##1111# **3#** ... 0#

Now enter numbers from 1to 60 and press #.

##1111# 3# **(1...60) #** 0#

6.4 Caller ID Display

Voice Fax device has a Caller ID detection function. The function allows to see the incoming phone number.

By default this function is active. Dial 4# in *Service menu* in order to get to Caller ID menu.

##1111# **4#** ... 0#

Dial 1# to enable DTMF function.

##1111# 4# **1#** 0#

Dial 2# to disable the function.

##1111# 4# **2#** 0#

6.5 Calling line identification restriction

Voice Fax device has a Caller line identification restriction function. Function is available only if it is supported by the operator. Default option is set to operator default.

Dial 5# in *Service menu* in order to get to calling line identification restriction menu.

##1111# 5# ... 0#

Dial 1# to set to operator default.

##1111# 5# 1# 0#

Dial 2# to enable calling line identification restriction.

##1111# 5# 2# 0#

Dial 3# to disable calling line identification restriction.

##1111# 5# 3# 0#

If calling line identification restriction is not allowed by operator, disabling or enabling of calling line identification restriction will take no action.

6.6 Call Duration Indicating Signal

Dial 6# in the main menu in order to get to *Signal Indicating Call Duration* menu.

##1111# 6# ... 0#

The signal indicating call duration can be turned on/off with the help of the phone. The call duration is indicated with a beep per minute.

In signal indicating call duration menu press 1# to enable the function.

##1111# 6# 1# 0#

Press 2# to disable the function.

##1111# 3# 2# 0#

6.7 Changing Service menu password

##1111# 7# <New 4 digit menu password > #

In order to change *Service menu* password, dial 7# in main *Service menu*. Now enter new 4 digit user password and press #. New password will be saved in device memory. When the new password is saved, the device returns to the main menu.

6.8 PIN Code Entering Control

PIN code automatic entering of the GSM SIM card inserted in the *Voice Fax* device, can be enabled/disabled with the help of the phone.

To get to the *PIN Code Entering Control* menu, dial 8# in the main menu.

##1111# **8#** ... 0#

If 1# is dialed in the main menu, the manual PIN code entering is activated and each time the
device is being turned on, the PIN code will have to be entered manually.

##1111# 8# **1#** 0#

In PIN code entering control menu dial 2#, and the automatic PIN code entering will be activated, that is, PIN code will be automatically read from the device memory.

##1111# 8# **2#** 0#

Note: *in order to use automatic PIN code entering, the PIN code has to be saved in device memory.*

To save PIN code in device memory, dial 3# in PIN code entering control menu, enter the PIN code and press #

##1111# 8# 3# **<PIN code> #**

6.9 Prefix Blocking

Prefix blocking can be performed with the help of the phone. In order to get to the

Prefix Blocking menu, dial 9# in the main menu. Total 10 entries can be done.

##1111# **9#** ... 0#

To enable the function, press 1# in *Prefix Blocking* menu.

##1111# 9# **1#** 0#

Dial 2# in order to disable the function.

##1111# 9# **2#** 0#

The phone call will not be made if the dialed number will have a blocked prefix. Maximum length of the blocking prefix is 6 digits.

6.9.1 Entry Supplement

To add new entry, dial 3# in *Prefix Blocking* menu.

##1111# 9# **3#** ... 0#

This command activates entry supplement function. When the function is activated, choose entry place in the list. This is done by dialing the place number from 0 to 9 and pressing #. In such case particular placement in the list is chosen for the blocked prefix.

##1111# 9# 3# **(0 ... 9) #** … 0#

Now you can enter a prefix and dial #.

##1111# 9# 3# (0 ... 9) # **<prefix>** # 0#

6.9.2 Delete Entry

Dial 4# in order to delete prefix in *Prefix Blocking* menu.

##1111# 9# **4#** ... 0#

4# command activates entry deleting function. When the function is activated choose the entry place in the list. This is done by dialing an entry place number from 0 to 9 and pressing #.

##1111# 9# **4# (0 ... 9) #** 0#

The particular blocked prefix will be deleted from the particular place in the list.

6.10 Number Blocking

Number blocking can be performed with the help of the phone. The function is activated by dialing 10#.

##1111# **10#** ... 0#

In total 10 entries are allowed. To enable number blocking, dial 1#.

##1111# 10# **1#** 0#

Dial 2# to disable number blocking. The blocking numbers can consist of max 15 digits.

##1111# 10# **2#** 0#

6.10.1 Entry Supplement

Dial 3# to add new entry.

##1111# 10# **3#** … 0#

This command activates number adding function. When the function is activated, place in the list has to be chosen. This is done by dialing the place number in the list from 0 to 9 and pressing #.

##1111# 10# 3# **(0…9) #** … 0#

Now add a new phone number and dial #. Number starts with the prefix, + is omitted.

##1111# 10# 3# (0…9) # **370 651 12345 #** 0#

6.10.2 Delete Entry

Entry is deleted by dialing 4#.

##1111# 10# **4#** … 0#

This command activates the entry deleting function. When the function is activated, choose entry place number in the list. This is done by dialing place number in the list from 0 to 9 and pressing #.

##1111# 10# 4# **(0…9) #** 0#

6.11 Set Number of Rings

This function allows to set number of rings after which the device will answer as a fax machine. Interval is from 2 to 9 rings. Default is 2. In order to get to the *Set Number of Rings* menu, dial 11# in the main menu.

##1111# **11#** ... 0#

To set number of rings

##1111# 11# **(2...9)#** 0#

6.12 Set number of tries

If there is unsuccessful faximile transmition attempt, it is possible to set number of automatic tries. Default number of tries is 3.

Dial 12# in the main menu in order to get to *Set number of tries* menu.

##1111# **12#** ... 0#

To set number of rings

##1111# 12# **(1...5)#** 0#

6.13 Set delay between retries

If there is unsuccessful faximile transmition attempt, it is possible to set time interval in seconds between automatic retries. Default value is 30 seconds.

Dial 13# in the main menu in order to get to *Set delay between tries* menu.

##1111# **13#** ... 0#

To set time interval between tries

##1111# 13# **(1...60)#** 0#

6.14 Turning on/off allways answer as fax

There is a possibility to activate *allways answer as fax* function. If it is on, device automaticaly will answer as a fax machine after defined number of rings even if incomming voice call.

By default this function is not active. Dial 14# in *Service menu* in order to get to *Turning on/off allways answer as fax* menu.

##1111# **14#** ... 0#

Dial 1# to enable Answer as Fax function.

##1111#14# **1#** 0#

Dial 2# to disable Answer as Fax function.

##1111# 14# 2# 0#

6.15 Turning on/off delete facsimile from memory after retries

By default function is enabled. It means that after defined unsuccessful number of tries faximile message will be deleted from memory. If disabled, facsimile message stays in flash memory after defined unsuccessful number of tries and can be repeatedly resent later even after power off.

Dial 15# in *Service menu* in order to get to *Turning on/off delete facsimile from memory after retries* menu.

##1111# 15# ... 0#

Dial 1# to enable function which will delete facsimile message from memory.

##1111#15# 1# 0#

Dial 2# to disable function which will delete facsimile message from memory.

##1111# 15# 2# 0#

6.16 Show incomming number of pages

This function allows to turn on/off indication of incoming number of fax pages on remotely or localy connected faximile machine LCD screen. By default this function is on.

Dial 16# in *Service menu* in order to get to *Show incomming number of pages* menu.

##1111# 16# ... 0#

Dial 1# to enable number of pages indication.

##1111#16# 1# 0#

Dial 2# to disable number of pages indication.

##1111# 16# 2# 0#

6.17 Baby Call function

By default funcion is disabled. Function allows to enter one phone number and delay from 5 to 30 seconds. If function is enabled and if handset is picked up, device will dial defined phone number automaticaly after defined delay.

Dial 17# in *Service menu* in order to get to *Baby call* menu.

##1111# 17# ... 0#

Dial 1# to enable number of pages indication.

##1111#16# 1# 0#

Dial 2# to disable number of pages indication.

##1111# 16# 2# 0#

Dial 3# to add phone number.

##1111#16# 3#... 0#

Now add the phone number which will be dialed after defined delay.

##1111#16# **3#**370 651 12345 # 0#

Dial 4# to enter delay.

##1111# 16# 4#...0#

Enter delay from 5 to 30 seconds, default is 10 seconds..

##1111# 16# **4#(5...30)#**0#

6.18 Restore Default Settings

Dial 99# to restore default settings.

##1111# **99#**

7 Manufacturer parameters

Manufacturer parameters	
Set time interval between dialing and connecting	3 seconds
Prefix	OFF
Set GPRS inactivity timeout	20 minutes
Caller ID display control	ON
Calling line identification restriction	Operator default
Turning on/off the call duration signal	OFF
Changing *Service menu* password	1111
PIN code entering control	Manual
Prefix blocking	OFF
Number blocking	OFF
Set number of rings	2
Set number of tries	3
Set delay between retries	30 seconds
Turning on/off allways answer as fax	OFF
Turning on/off delete facsimile from memory after retries	ON
Show incomming number of pages	ON
Baby Call	OFF

8 Table of Parameters

##1111# 1# (1...5) # 0#	Set time interval between dialing and connecting
##1111# 2# 1# 0#	Number prefix blocking enable
##1111# 2# 2# 0#	Number prefix blocking disable
##1111# 2# 3# <Prefix># 0#	Prefix blocking entering
##1111# 3# (1...60) # 0#	GPRS inactivity timeout
##1111# 4# 1# 0#	Caller ID DTMF enable
##1111# 4# 2# 0#	Caller ID type disable
##1111# 5# 1# 0#	Calling line identification restriction operator default
##1111# 5# 2# 0#	Calling line identification restriction enable
##1111# 5# 3# 0#	Calling line identification restriction disable
##1111# 6# 1# 0#	Minute notification on (1min.)
##1111# 6# 2# 0#	Minute notification off
##1111# 7# <New 4 digit menu password> #	*Service menu* password changing
##1111# 8# 1# 0#	Manual PIN code entering
##1111# 8# 2# 0#	Automatic PIN code entering
##1111# 8# 3# <New 4 digits PIN code># 0#	PIN code entering to memory
##1111# 9# 1# 0#	Prefix blocking enable
##1111# 9# 2# 0#	Prefix blocking disable
##1111# 9# 3# (0 ... 9)# <Prefix># 0#	Prefix adding
##1111# 9# 4# (0 ... 9)# 0#	Prefix deleting
##1111# 10# 1# 0#	Number blocking enabled
##1111# 10# 2# 0#	Number blocking disabled
##1111# 10# 3# (0 ... 9)# <Prefix># 0#	Number adding to the list
##1111# 10# 4# (0 ... 9) # 0#	Number deleting from the list
##1111# 11# (2 ... 9)# 0#	Number of rings to answer
##1111# 12# (1 ... 5)# 0#	Number of tries
##1111# 13# (1 ... 60)# 0#	Delay between retries
##1111# 14# 1# 0#	Answer as Fax enable
##1111# 14# 2# 0#	Answer as Fax enable
##1111# 15# 1# 0#	Delete facsimile from memory after retries enable
##1111# 15# 2# 0#	Delete facsimile from memory after retries disable
##1111# 16# 1# 0#	Show incomming number of pages enable
##1111# 16# 2# 0#	Show incomming number of pages disable
##1111# 17# 1# 0#	Enable Baby Call Function
##1111# 17# 2# 0#	Disable Baby Call Function
##1111# 17# 3# <Number># 0#	Enter Baby Call number
##1111# 17# 4# (5 ... 30)# 0#	Enter Baby Call delay
##1111# 99#	Restore default settings

9 ACRONYMS

PC - Personal Computer.
USB - Universal Serial Bus.
GPRS - General Packet Radio Service.
MDMF - Multiple Data Message Format.
GSM - Global System for Mobile communications.
BPX - Private Branch Exchange.
SIM - Subscriber Identity Module.
PIN - Personal Identification Number.
AC/DC- Alternating Current/Direct Current.
APN - Access Point Name.
PSTN - Public switched telephone network.
DTMF - Dual Tone Multiple Frequency.
FAX - Facsimile

10 TECHNICAL SUPPORT

This sign on the package means that it is necessary to read the User's Manual, which is on the CD before you start using the device.

This sign on the package means, that used electronic and electric equipment should be stored separately.

If you encounter any problems while using the device and you are not able to solve them please follow these direction:

- double check if everything was accomplished according to *Voice Fax* user manual,
- set device back to default factory settings,
- download and install the newest *Voice Fax* device drivers and software from www.teltonika.com,
- download the newest *Voice Fax* device firmware and update it from www.teltonika.com.

If all direction above were performed but the problem still remains please contact our technical support team via e-mail support@teltonika.lt. We will be glad to help You.